

Applicant : Klaus Schulz et al.  
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Filed : September 27, 2000  
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Attorney's Docket No.: 12754-051001 / 00P7411

Amendments to the Specification:

Please replace the paragraph beginning at page 3, line 18 with the following amended paragraph:

--FIG. 1B is a diagrammatic cross-sectional side view of the transmission cable, transceiver module and cage of FIG. 1A connected together with the release mechanism in a first position.--

Please add the following new paragraph after the paragraph ending at page 3, line 19:

--FIG. 1C is a diagrammatic cross-sectional side view of the transmission cable, transceiver module and cage of FIG 1A with the release mechanism in a second position.--

Please replace the paragraph beginning at page 3, line 21 with the following amended paragraph:

--FIG. 3A is a diagrammatic bottom view of the transceiver of FIGS. 1A and 1B with the release mechanism in a first position.--

Please replace the paragraph beginning at page 3, line 23 with the following amended paragraph:

--FIG. 3B is a diagrammatic cross-sectional view of the transceiver of FIGS. 1A and 1B, taken along the line 3B-B in FIG. 3A, with the release mechanism in a first position.--

Please add the following new paragraphs after the paragraph ending at page 3, line 24:

--FIG. 3C is a diagrammatic exploded view of the transceiver of FIGS. 1A and 1B with the release mechanism in a second position.--

--FIG. 3D is a diagrammatic cross-sectional view of the transceiver of FIGS. 1A and 1B, taken along the line 3C-C in FIG. 3C, with the release mechanism in a second position.--

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Please replace the paragraph beginning at page 4, line 39 through page 5, line 6 with the following amended paragraph:

—Transceiver module 20 may be released from cage 24 by displacing the front end latch 40 until the rear edge of cam 44 clears the rear edge of slot 42. In some embodiments, the front end of latch 40 may be displaced using a tool, such as a screwdriver. Other transceiver module embodiments may include a release mechanism 48 formed from a release block 50, which is slidable toward and away from the back end of transceiver module 20 within a longitudinal slot 51 defined in the bottom surface of transceiver module 20, as shown in FIGS. 1B and 1C. In operation, a user may press release block 50 toward cage 24, from a first position shown in FIG. 1B into a second position shown in FIG. 1C, until latch 40 has been displaced outwardly by an amount sufficient for the rear edge of cam 44 to clear the rear edge of slot 42, at which point the ejection force applied by ejection mechanism 46 forces transceiver module 20 out of cage 24.

Please replace the paragraph beginning at page 5, line 18 with the following amended paragraph:

Referring to FIGS. 3A and 3B-3D, in on transceiver module embodiment, cam 44 includes a chamfered surface 70 that tapers from the front end to the back end of transceiver module 20. Tapering chamfered surface 70 reduces the area of contact between cam 44 and latch 40 and, thereby reduces the force needed to insert transceiver module 40 into cage 24. Release block 50, shown in a first position in FIGS. 3A-3B and in a second position in FIGS. 3C-3D, also has a chamfered surface 72 for engaging the flared front end 45 of latch 40. As shown in FIGS. 4A and 4B, in other embodiments, the chamfered surface of cam 44 may have a non-tapered shape. For example, in one embodiment, the shape of cage slot 42 is selected to match the profile of cam 44. Thus, latch 40 would have a triangular slot for engaging the transceiver module embodiment of FIGS. 3A and 3B-3D, and latch 40 would have a rectangular slot for engaging the transceiver module embodiment of FIGS. 4A and 4B. The physical dimensions of cam 44 are selected based at least in part upon the material composition of cam 44

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and the desired retention force between cam 44 and latch 40 when transceiver module 20 is latched inside cage 24 (e.g., approximately 60-100 Newtons).